

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 289 Suppl. No. 0 Contract No. 04 – 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:**To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract.

NOTE: This change order is not effective until approved by the Engineer.

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Modify the Pier T1 fenders and as-built footing as follows:

The following revised plan sheets detail the changes addressed in this change order: 991R1, 993R1, and 998R1 (of 1204) as shown on sheets 4 through 6 of this change order.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 3097, 3114, 3145, 3146, 3147, 3221, and 3395 with respect to changes listed above.

Extra Work at Lump Sum:**ITEM 1.**

Modify the Pier T1 fenders as follows:

- Revise reinforcing bars in the fender modules.
- Widen the closure pour at the precast rib/Tower footing interface.
- Reduce rib depth and length and install varying thickness bearing pads.
- After forming for the closure pour at fender ribs, power wash the reinforcement and surface of concrete in the closure pour area without damaging reinforcement coating. Water inside the closure pour shall be removed immediately after power washing is complete. Provide divers to seal tight closure pour forms.

Revise the as-built Pier T1 footing as follows:

- Remove existing reinforcing bars that conflict with fender post tensioning rod anchorages.
- Protect reinforcing in the blockout with lumber during non-working periods.
- Provide credit for removal of cement stabilized sand that will not be performed.
- Perform survey of detailed as-built condition of Pier T1 footing.
- Abrasive blast to bare metal in accordance with SSPC-SP6 the corroded unprotected (uncoated) steel elements in the blockout including anchor plates, shear studs, pile sleeves, and top plates. Then apply two coats of zinc rich primer in accordance with Special Provisions Section 10-1.69 "Clean and Paint Structural Steel."
- Repair epoxy coated steel reinforcing in the blockout as follows:
 1. Abrasive blast to bare metal in accordance with SSPC-SP6 the epoxy coated steel reinforcements embedded in concrete. Then apply two coats of zinc rich primer in accordance with Special Provisions Section 10-1.57 "Reinforcement."
 2. Replace each epoxy coated T-headed #57 steel reinforcement that can be removed with 2-#36 (bundle) epoxy coated T-headed steel reinforcements.

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- Repair epoxy coated looped steel reinforcing embedded into the sides of Pier T1 as follows:
 1. Abrasive blast to bare metal in accordance with SSPC-SP6 the epoxy coated looped steel reinforcements in "dry zone" (above MHHW, about top 1/3 of looped steel reinforcements). Then apply two coats of zinc rich primer in accordance with Special Provisions Section 10-1.57 "Reinforcement."
 2. Fabricate containment structure for divers use.
- Support blasting and coating reinforcing and uncoated steel in the blockout and top 1/3 of looped steel reinforcing by providing barge support, hoisting supplies between barge and Pier T1, and installing access catwalk.
- Remove marine life attachments on the concrete surface, which interfere with installation of fender modules, with high pressure water.
- Compensation is provided for the differential between straight time and overtime or double time for labor costs expended to increase shift durations and weekend work as necessary to mitigate CCO 289 impact to Pier T1 fender contract work including the removal of the favco crane, T1 erection tower, and temporary tower D foundations.
- Provide compensation to Contractor's T1 fender subcontractor for inefficiencies and all other impacts incurred due to changes and extra work directed by the Department and associated with T1 fender installation extended duration.

For this work, the Contractor will receive a lump sum price \$2,951,562.00. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this change.

Extra Work at Lump Sum.....\$2,951,562.00

Extra Work at Agreed Unit Price:**ITEM 2.**

Remove existing timber embedded in the Pier T1 fender closure pour area, concrete that covers timber, and unsound concrete. After concrete removal is complete, remove dirt and loose items on concrete surface by powerwash.

Support removal and replacement of reinforcing bars by providing equipment and material transportation between Pier T1 and the Alameda yard, providing barge support, and hoisting supplies between barge and Pier T1.

Estimate of Extra Work at Agreed Unit Price:

12 days at \$25,326.47 PER DAY = \$303,917.66

For the work in Item, the Contractor shall receive and accept the amount listed per day for each activity. This sum constitutes full and complete compensation for furnishing all labor, material, equipment, tools, and incidentals including all markups by reason of this change.

Extra Work at Force Account:**ITEM 3.**

For any additional work as directed by the Engineer, necessary for Pier T1 fender construction including but not limited to repair reinforcing bars after removal of temporary protective lumber.

Estimated Cost of Extra Work at Force Account \$50,000.00

Labor, equipment and material authorized by the Engineer, as necessary, will be paid in accordance with the provisions of Section 4-1.03D, "Extra Work" of the Standard Specifications and Section 5-1.24, "Force Account Payment" of the Special Provisions.

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Change Order Cost and Time Summary

(ITEM 1) Extra Work at Lump Sum.....	\$2,951,562.00
(ITEM 2) Estimate of Extra Work at Agreed Unit Price.....	\$303,917.66
(ITEM 3) Extra Work at Force Account.....	\$50,000.00
Total net pay for this change order	\$3,305,479.66

The work referenced in this Contract Change Order (CCO) is not required for Seismic Safety Opening (SSO). Should effects resulting from the performance of this work, after achieving readiness for SSO and opening to public traffic, have an impact on the work performed additional warranted compensation will be provided in accordance with Standard Specifications Section 4-1.03, "Changes," under a separate CCO.

Consideration of a time adjustment will be deferred until completion of the work specified herein. Determination of a commensurate time adjustment will be made in accordance with Section 10-1.13, "PROGRESS SCHEDULE (CRITICAL PATH METHOD)" and Section 10-1.14, "TIME-RELATED OVERHEAD" of the Special Provisions, as well as Section 8-1.07, "LIQUIDATED DAMAGES", of the Standard Specifications.

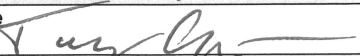
Estimated Cost: Increase ☐ Decrease ☒ \$3,305,479.66

By reason of this order the time of completion will be adjusted as follows: Deferred

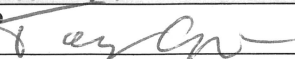
Submitted by

Signature 	Resident Engineer	William Casey, Supervising T.E.	Date 10-10-13
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Approval Recommended by

Signature 	Program Manager	Tony Anziano, Program Manager	Date 10/10/13
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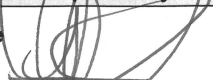
Engineer Approval by

Signature 	Program Manager	Tony Anziano, Program Manager	Date 10/15/13
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature 	(Print name and title)	Date
	BRIAN A. PETERSEN - PROJECT DIRECTOR	11 OCT 13